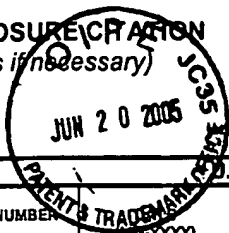


<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	Docket Number (Optional) <b>15977-3</b>	Application Number <b>10/646,502</b>
	Applicant(s) <b>SUNGHO JIN</b>	
	Filing Date <b>August 23, 2003</b>	Group Art Unit <b>2812</b>



EXAMINER INITIAL	REF	DOCUMENT NUMBER	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RB		6,297,592	Goren et al.	315	3.5	
		6,538,367	Choi et al.	313	309	
		6,283,812	Jin et al.	445	24	
		2003/0096104	Tobita et al.	428	332	
		6,187,604	Gilton	438	20	
		5,637,539	Hofmann et al.	438	20	
		6,141,470	Espindola et al.	385	37	
		6,124,650	Bishop et al.	310	40	
		5,811,916	Jin et al.	313	311	
		6,519,075	Carr et al.	359	291	
		6,574,026	Jin et al.	359	224	
		6,391,670	Wells et al.	438	20	
		6,620,640	Gilton	438	20	
RB		2002/0146853	Karpov et al.	438	20	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	TRANSLATION Yes No
RB		EP 1 184 888	03-2002	Howard et al.	H01J21	10	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
RB		Gilmour, Jr., A.S., "Microwave Tubes," Artech House, pgs. 191-313 (1986)	
RB		Brodie, I., et al., "Vacuum Microelectronics," Advances in Electronics and Electron Physics, Vol. 83, pgs. 1-106 (1992)	
RB		Bower, C., et al., "On-chip vacuum microtriode using carbon nanotube field emitters," Applied Physics Letters, Vol. 80, No. 20, pgs. 3820-3822 (May 20, 2002)	

Examiner Signature <i>Richard A. Broder</i>	Date Considered <i>08/22/05</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Applicant(s) SUNGHO JIN	
	Filing Date August 23, 2003	Group Art Unit 2812

**U.S. PATENT DOCUMENTS**

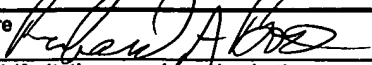
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE (MM-YYYY)	NAME	CLASS	SUBCLASS	TRANSLATION	
							Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

R3		Rinzler, A.G., et al., "Unraveling Nanotubes: Field Emission from an Atomic Wire," Science, Vol. 269, pgs. 1550-1553 (September 15, 1995)	
		de Heer, Walt A., et al., "A Carbon Nanotube Field-Emission Electron Source," Science, Vol. 270, pgs. 1179-1180 (November 17, 1995)	
		Saito, Y., et al., "Field Emission Patterns from Single-Walled Carbon Nanotubes," Jpn. J. Appl. Phys., Vol. 36, Part 2, No. 10A, pgs. L1340-L1342 (October 1, 1997)	
		Wang, Q.H., et al., "Field emission from nanotube bundle emitters at low fields," Appl. Phys. Lett., Vol. 70, No. 24, pgs. 3308-3310 (June 16, 1997)	
		Saito, Y., et al., "Cathode Ray Tube Lighting Elements with Carbon Nanotube Field Emitters," Jpn. J. Appl. Phys., Vol. 37, Part 2, No. 3B, pgs. L346-L348 (March 15, 1998)	
		Wang, Q.H., et al., "A nanotube-based field-emission flat panel display," Applied Physics Letters, Vol. 72, No. 22, pgs. 2912-2913 (June 1, 1998)	
		Bonard, Jean-Marc, et al., "Field emission from single-wall carbon nanotube films," Applied Physics Letters, Vol. 73, No. 7, pgs. 918-920 (August 17, 1998)	
		Liu, J., et al., "Fullerene Pipes," Science, Vol. 280 pgs. 1253-1256 (May 22, 1998)	
		Li, W.Z., et al., "Large-Scale Synthesis of Aligned Carbon Nanotubes," Science, Vol. 274, pgs. 1701-1703 (December 6, 1996)	
		Tans, Sander J., et al., "Individual single-wall carbon nanotubes as quantum wires," Nature, Vol. 386, pgs. 474-477 (April 3, 1997)	
		Fan, S., et al., "Self-Oriented Regular Arrays of Carbon Nanotubes and Their Field Emission Properties," Science, Vol. 283, pgs. 512-514 (January 22, 1999)	
R3		Bower, C., et al., "Nucleation and growth of carbon nanotubes by microwave plasma chemical vapor deposition," Applied Physics Letters, Vol. 77, No. 17, pgs. 2767-2769 (October 23, 2000)	

Examiner Signature 	Date Considered 08/22/05
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	<b>Applicant(s)</b> SUNGHO JIN	
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							Yes	No

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

RB		Dean, K., et al., "The environmental stability of field emission from single-walled carbon nanotubes," Applied Physics Letters, Vol. 75, No. 19, pgs. 3017-2019 (November 8, 1999)	
		Adachi, H., et al., "Stable carbide field emitter," Appl. Phys. Lett., Vol. 43, No. 7, pgs. 702-703 (October 1, 1993)	
		Huang, M., et al., "Room-Temperature Ultraviolet Nanowire Nanolasers," Science, Vol. 292, pgs. 1897-1899 (June 8, 2001)	
		Aggarwal, S., et al., "Spontaneous Ordering of Oxide Nanostructures," Science, Vol. 287, pgs. 2235-2237 (March 24, 2000)	
		Luo, Y., et al., "Nanoshell tubes of ferroelectric lead zirconate titanate and barium titanate," Applied Physics Letters, Vol. 83, No. 3, pgs. 440-442 (July 21, 2003)	
		Ren, Z.F., et al., "Synthesis of Large Arrays of Well-Aligned Carbon Nanotubes on Glass," Science, Vol. 282, pgs. 1105-1107 (November 6, 1998)	
		Bower, C., "Plasma-induced alignment of carbon nanotubes," Applied Physics Letters, Vol. 77, No. 6, pgs. 830-832 (August 7, 2000)	
		Merkulov, V., "Shaping carbon nanostructures by controlling the synthesis process," Applied Physics Letters, Vol. 79, No. 8, pgs. 1178-1180 (August 20, 2001)	
		Teo, K., et al., "Plasma enhanced chemical vapour deposition carbon nanotubes/nanofibres-how uniform do they grow?," Nanotechnology, Vol. 14, pgs. 204-211 (2003)	
RB		Mackie, W., et al., "Emission and Processing Requirements For Carbide Films On Mo Field Emitters," Mat. Res. Soc. Symp. Proc., Vol. 509, pgs. 173-178 (1998)	

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